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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/560,023	12/08/2005	Sun-Uk Kim	76303-003US1	1005
	7590 03/29/201 OHLICEK & TSAO, LI	EXAMINER		
10 FAWCETT	STREET	SNELTING, ERIN LYNN		
CAMBRIDGE,	MA 02138		ART UNIT	PAPER NUMBER
			1791	
			NOTIFICATION DATE	DELIVERY MODE
			03/29/2010	ELECTRONIC

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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## Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/560,023	KIM ET AL.	
Examiner	Art Unit	

	Erin Snelting	1791	
The MAILING DATE of this communication appe	ars on the cover sheet with the c	correspondence add	ress
THE REPLY FILED <u>15 March 2010</u> FAILS TO PLACE THIS AP	PLICATION IN CONDITION FOR A	ALLOWANCE.	
1.  The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appetor Continued Examination (RCE) in compliance with 37 C periods:	replies: (1) an amendment, affidavit al (with appeal fee) in compliance	t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
a) The period for reply expires 4 months from the mailing date b) The period for reply expires on: (1) the mailing date of this Ar no event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (I MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f	dvisory Action, or (2) the date set forth inter than SIX MONTHS from the mailing ob). ONLY CHECK BOX (b) WHEN THE ().	g date of the final rejection FIRST REPLY WAS FII	on. LED WITHIN TWO
Extensions of time may be obtained under 37 CFR 1.136(a). The date of have been filed is the date for purposes of determining the period of extunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	ension and the corresponding amount of hortened statutory period for reply original controls.	of the fee. The appropria nally set in the final Office	ate extension fee e action; or (2) as
<ol> <li>The Notice of Appeal was filed on A brief in complifiling the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed wi AMENDMENTS</li> </ol>	sion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	
3. The proposed amendment(s) filed after a final rejection, be (a) They raise new issues that would require further core (b) They raise the issue of new matter (see NOTE below (c) They are not deemed to place the application in bett appeal; and/or (d) They present additional claims without canceling a content of the con	nsideration and/or search (see NOT w); er form for appeal by materially rec	E below); ducing or simplifying the	
NOTE: (See 37 CFR 1.116 and 41.33(a)).  4.  The amendments are not in compliance with 37 CFR 1.12  5.  Applicant's reply has overcome the following rejection(s):  6.  Newly proposed or amended claim(s) would be all non-allowable claim(s).  7. For purposes of appeal, the proposed amendment(s): a) [	 owable if submitted in a separate, t	imely filed amendmer	nt canceling the
how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: 1,2,4,6,7 and 9. Claim(s) withdrawn from consideration: AFFIDAVIT OR OTHER EVIDENCE			, panaton o
<ol> <li>The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).</li> </ol>			
9. The affidavit or other evidence filed after the date of filing a entered because the affidavit or other evidence failed to of showing a good and sufficient reasons why it is necessary	vercome <u>all</u> rejections under appea	ıl and/or appellant fail:	s to provide a
<ol> <li>The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER</li> </ol>	n of the status of the claims after er	ntry is below or attach	ed.
<ol> <li>The request for reconsideration has been considered but <u>See Continuation Sheet.</u></li> </ol>		condition for allowan	ce because:
<ul> <li>12. ☐ Note the attached Information <i>Disclosure Statement</i>(s). (</li> <li>13. ☐ Other: <u>See Continuation Sheet</u>.</li> </ul>	PTO/SB/08) Paper No(s)		
/Steven P. Griffin/ Supervisory Patent Examiner, Art Unit 1791			

Continuation of 11. does NOT place the application in condition for allowance because:

- --In response to Applicant's argument that Kang requires that silica balls have low density and Duraiswami teaches that use of a rotary furnace increased the density of spheres, and thus a skilled artisan would not have modified the Kang process by using the rotary tube furnace as taught by Duraiswami, as doing so would have rendered this method unsatisfactory for its intended purpose:
- --Duraiswami teaches that rotary tube furnace processing affects other physical properties of spheres besides porosity, such as strength. Thus, a skilled artisan would have been motivated to modify the method of Kang with the rotary tube furnace processing of Duraiswami for the benefit of optimizing physical properties of the resulting spheres, as described in the previous Office action. While Duraiswami provides a single non-limiting example in which sphere density increased slightly with rotary tube furnace processing, Applicant has provided no evidence that the use of the rotary tube furnace of Duraiswami with the method and materials of Kang would necessarily produce spheres of unacceptable density. The same reasoning applies to the arguments regarding claims 6, 7, and 9.
- --In response to Applicant's argument that the spheres of Kang and Duraiswami have different sizes and different pore sizes, and thus the densities are not able to be directly compared:
- --Examiner agrees with Applicant's argument. However, Examiner maintains that a skilled artisan would still have been motivated to modify the method of Kang with the rotary tube furnace processing of Duraiswami for the benefit of optimizing physical properties of the resulting spheres, as described above and in the previous Office action.
- --In response to Applicant's argument that claim 2 is not rendered obvious by Kang and Duraiswami:
- --Kang teaches that the properties as claimed in claim 2 are result effective variables and may be optimized by one of ordinary skill in the art, as described in the previous Office action.

Continuation of 13. Other: The amended claims would be rejected by the same references as applied in the Final Rejection dated 11-13-2009.